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## SEQUENCE LISTING

- (1) GENERAL INFORMATION:
  - (i) APPLICANT: Anderson, David J.
    Saito, Tetsuichiro
- 5 (ii) TITLE OF INVENTION: A NOVEL HOMEODOMAIN PROTEIN
  - (iii) NUMBER OF SEQUENCES: 22
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
  - (B) STREET: Four Embarcadero Center, Suite 3400
    - (C) CITY: San Francisco
    - (D) STATE: California
    - (E) COUNTRY: United States
    - (F) ZIP: 94111
- 15 (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- 20 (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/701,278
  - (B) FILING DATE: 22-AUG-1996
  - (C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Silva, Robin M.
- (B) REGISTRATION NUMBER: 38,304
- (C) REFERENCE/DOCKET NUMBER: A-63770-1
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: (415) 781-1989
- 30 (B) TELEFAX: (415) 398-3249
  - (2) INFORMATION FOR SEQ ID NO:1:
    - (i) SEQUENCE CHARACTERISTICS:
      - (A) LENGTH: 2424 base pairs
      - (B) TYPE: nucleic acid
      - (C) STRANDEDNESS: unknown
      - (D) TOPOLOGY: unknown
    - (ii) MOLECULE TYPE: DNA (genomic)
    - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCAGAGGTAG GCAGGGTTCC CGAGCCGCTC TCCCGGCTCC CTGCTCTGGG CCTTGGGGCT 60

40 CCACCGGCTT CTTGGCCCGA GCTGCTGCGC GTGCAGATGG CCTTGCGCGA TCGCCGGACC 120

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CCGCTGCGGT GGCCAAGTGC AGGGCTTGTG GCTGGGACCC CTGAGAACCA GGAGCCAGAC 180

TGTGCTCAGC TTGCCAGGCC GGAGCCACGC ACGGGCACAA GTCTGTCAGG CCGCCATCAG 240 TCCTGGTCCA GCCGTCAGGG CCCATCCGAC CGTCGGCGAT GTTTTATTTC CACTGCCCGC 300 CACAGCTAGA GGGCACAGCG CCTTTTGGTA ACCACTCTAC GGGGGATTTT GATGATGGGT 360 5 TTCTTAGAAG AAAACAGCGC AGAAATCGGA CAACCTTCGC TCTTCAGCAG TTGGAAGCTC 420 TGGAGGCAGT CTTTGCCCAA ACACACTACC CAGATGTCTT CACCAGAGAA GAGCTAGCCA 480 TGAAAATAAA CCTCACAGAA GCCAGAGTGC AGGTTTGGTT CCAGAACCGA AGAGCCAAGT 540 GGAGGAAGAC AGAGAGGGG GCCTCTGACC AGGAACCAGG GGCTAAGGAA CCCATGGCAG 600 AGGTGACACC ACCCCCAGTG AGGAACATCA ACTCTCCACC CCCAGGGGGAC CAGGCCCGGG 660 10 GCAAGAAGGA GGCCCTGGAG GCCCAGCAGA GCCTGGGACG CACAGTGGGC CCCGCCGGGC 720 CTTTCTTCCC CTCCTGCTTG CCAGGGACCC TCCTGAACAC AGCCACTTAT GCCCAGGCCC 780 TGTCCCATGT GGCATCTCTG AAAGGGGGCC CACTGTGCTC TTGCTGCGTC CCAGACCCTA 840 TGGGGCTCTC CTTCCTCCCC ACTTACGGTT GCCAGAGTAA CCGCACAGCC AGCGTGGCTG 900 CCCTGCGCAT GAAGGCCCGC GAGCATTCAG AAGCGGTCCT GCAGTCTGCC AACCTTCTGC 960 15 CGTCCACCAG CAGCAGCCCC GGCCCTGCCT CCAAGCAGGT GCCTCCAGAA GGCAGCCAGG 1020 ACAAGCCCTC CCCAACGAAG GAACAGAGCG AGGGAGAAA GAGCGTATGA GGGTCCGGAG 1080 AACCCAGCTG GGAGCCCTGC CCACCCCTGC TTCTCTCAGC CTCAGCCCTG CCAGCCTCTG 1140 AACCACAAGG AGTAGCCACC TCCTCATGGA TCTGACAGGG CAAACGGGAC CTGCAAGCTG 1200 GTTGAGACCT GAAGAGTCCC TCTAGAATTC TGCTGGTAGG CTGTGTTGTT CTCGCTTTTC 1260 20 CTTTGGTGAC ATTTTCCGAT GGCTCTTAGT GACTCTGGAC ACTGCTCTGT GATGAGGTCC 1320 CTGTTTTTTG CTTTTTGTTT TGTCTCTTTT TTTTTGTTTT GTTTTGTTTT ATTTTCCAGG 1380 CCAAGCAGCC TTGGAGCAAA GCAGATTAGT TTATTCCACC ATCCTTCTTG AGATATCTGG 1440 GAAGGTCTTG TCAATTCCAA GGACTGTGGC AAGGATCATC CGTGAAAGAT GCCAAGAAGT 1500 GACATCTCAT GACAGGAAAT GAGACGGGCA CTCCCATATT GCTTAAGAAC CACAGAACTG 1560 25 GTGGACTATC AGCCAGTTCT CACTCCCTTC AGCCAGGACT GGCATCGGCC TCCTTTGTCT 1620 TGTTTAAAGG AATTAGCTGA GGTTTTGGCT AGGAAGTGAC AAGATATGGG CTGAAGACAT 1680 TGTGGTCCTG ACCCTAGCAG ATCTCCCTGG GCACATCTGA CCTGGTCCAG TCAGGCAGGT 1740 TGTCAGTTCG GGGATGGGGG CTGCTCTGCT GATTCTGTGT GTGGGTTCCC TGCAATTAGA 1800

GTGTTCACTT GCAGGCCCCG CTCTCTCAG AAGAGTGATG GGAAGTTCAC CAATCAGAAT 1860
GTAGCTTTGT AGCCCAGGAA AGGACCAGAG TCCTTGAAGC GGTAGGAAAT CCCTAGGAAG 1920
GCCCCTTAAA TACTTATGCC CAGATGAGCT GCCCTTCTC CTATCCCCGT ATGTCGAGAG 1980
GTTGACGAGA CAGGAAAGCC AGGAAGATGA CTCCGTGTGG CAGAAGAGAA TGGAGTCCAA 2040
5 AGGGCCAACT TTCACAGAGA TTTCTGCCGC AGTTTAGCGT GGCTGTTC TTTCACGCGA 2100
TGGTGACTTC GGAGAGATCA GAGGGAGATG TGCAATAGCA TGAGCCCCGC TCCTGGCCCG 2160
GGTCCTGGAA AGGTTGTGGT TGTTTGGTGG CTTTGGCTGA TGATGTTTCC ACGCAAACAG 2220
ATATTGCTTT CATGATGGCT GTTCTCATTT CAGTTCTGAT AATCGAGACG CTGTGCTCCC 2280
AGGCGCTCTG CCTCCCCTTA ACTCTTCAGG AGCACCCCCT CCCCTGTAAT ACTCCTAAGT 2340
10 GTATCGTGCC TCACTTACGG TTACTGCAAC ACATTTGATG GAACACACTG TCTCCTTTAA 2400
AAAAGAAAAA AAAAAAAAA AAAA

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 263 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Phe Tyr Phe His Cys Pro Pro Gln Leu Glu Gly Thr Ala Pro Phe 1 5 10 15

Gly Asn His Ser Thr Gly Asp Phe Asp Asp Gly Phe Leu Arg Arg Lys 20 25 30

Gln Arg Arg Asn Arg Thr Thr Phe Ala Leu Gln Gln Leu Glu Ala Leu 35 40 45

Glu Ala Val Phe Ala Gln Thr His Tyr Pro Asp Val Phe Thr Arg Glu 50 55 60

Glu Leu Ala Met Lys Ile Asn Leu Thr Glu Ala Arg Val Gln Val Trp
65 70 75 80

Phe Gln Asn Arg Arg Ala Lys Trp Arg Lys Thr Glu Arg Gly Ala Ser 85 90 95

Asp Gln Glu Pro Gly Ala Lys Glu Pro Met Ala Glu Val Thr Pro Pro 100 105 110

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		Pro	Val	Arg 115	Asn	Ile	Asn	Ser	Pro 120	Pro	Pro	Gly	Asp	Gln 125	Ala	Arg	Gl
		Lys	Lys 130		Ala	Leu	Glu	Ala 135	Gln	Gln	Ser	Leu	Gly 140	Arg	Thr	Val	Gl
5		Pro 145	Ala	Gly	Pro	Phe	Phe 150	Pro	Ser	Cys	Leu	Pro 155	Gly	Thr	Leu	Leu	As:
		Thr	Ala	Thr	Tyr	Ala 165	Gln	Ala	Leu	Ser	His 170	Val	Ala	Ser	Leu	Lys 175	Gly
10		Gly	Pro	Leu	Cys 180	Ser	Cys	Cys	Val	Pro 185	Asp	Pro	Met	Gly	Leu 190	Ser	Phe
		Leu	Pro	Thr 195	Tyr	Gly	Cys	Gln	Ser 200	Asn	Arg	Thr	Ala	Ser 205	Val	Ala	Ala
		Leu	Arg 210	Met	Lys	Ala	Arg	Glu 215	His	Ser	Glu	Ala	Val 220	Leu	Gln	Ser	Ala
15		Asn 225	Leu	Leu	Pro	Ser	Thr 230	Ser	Ser	Ser	Pro	Gly 235	Pro	Ala	Ser	Lys	Glr 240
		Val	Pro	Pro	Glu	Gly 245	Ser	Gln	Asp	Lys	Pro 250	Ser	Pro	Thr	Lys	Glu 255	Glr
20		Ser	Glu	Gly	Glu 260	Lys	Ser	Val									
	(2)	INFO	RMAT:	ION I	FOR S	SEQ I	ID NO	0:3:									
25		(i)	(A) (B) (C)	LEI TYI	NGTH: PE: & RANDE	ARACT TO THE SECOND SEC	amir aci SS: u	no ac id unkno	cids								
		(ii)	MOLI	ECULI	E TYI	?E: p	prote	ein			•						
		(xi)	SEQU	JENCI	E DES	SCRIE	OITS	N: SE	EQ II	ONO:	3:						
30		Gly 1	Phe	Leu	Arg	Arg 5	Lys	Gln	Arg	Arg	Asn 10	Arg	Thr	Thr	Phe	Ala 15	Lev
		Gln	Gln	Leu	Glu 20	Ala	Leu	Glu	Ala	Val 25	Phe	Ala	Gln	Thr	His 30	Tyr	Pro
		Asp	Val	Phe 35	Thr	Arg	Glu	Glu	Leu 40	Ala	Met	Lys	Ile	Asn 45	Leu	Thr	Glu
35		Ala	Arg	Val	Gln	Val	Trp	Phe	Gln	Asn	Arg	Arg	Ala	Lys	Trp	Arg	Lys

Thr Glu Arg Gly Ala Ser 65 70

- (2) INFORMATION FOR SEQ ID NO:4:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 70 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Leu His Glu Lys Arg Lys Gln Arg Arg Ile Arg Thr Thr Phe Thr Ser

10 1 5 10 15

Ala Gln Leu Lys Glu Leu Glu Arg Val Phe Ala Glu Thr His Tyr Pro 20 25 30

Asp Ile Tyr Thr Arg Glu Glu Leu Ala Leu Lys Ile Asp Leu Thr Glu
35 40 45

15 Ala Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Phe Arg Lys 50 55 60

> Gln Glu Arg Ala Ala Ser 65 70

- (2) INFORMATION FOR SEQ ID NO:5:
- 20 (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- 25 (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Leu Pro Leu Lys Arg Lys Gln Arg Arg Ser Arg Thr Thr Phe Thr Ala
1 5 10 15

Glu Gln Leu Glu Glu Leu Glu Arg Ala Phe Glu Arg Thr His Tyr Pro 30 25 30

Asp Ile Tyr Thr Arg Glu Glu Leu Ala Gln Arg Ala Lys Leu Thr Glu 35 40 45

Ala Arg Val Gln Val Trp Phe Ser Asn Arg Arg Ala Arg Trp Arg Lys
50 55 60

35 Gln Ala Gly Ala Asn Gln 65 70

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- (2) INFORMATION FOR SEQ ID NO:6:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 70 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Asn Val Ser Ser Ser Lys Lys Arg Arg His Arg Thr Thr Phe Thr Ser

10 1 5 10 15

Leu Gln Leu Glu Glu Leu Glu Lys Val Phe Gln Lys Thr His Tyr Pro
20 25 30

Asp Val Tyr Val Arg Glu Gln Leu Ala Leu Arg Thr Glu Leu Thr Glu 35 40 45

15 Ala Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Trp Arg Lys 50 55 60

Arg Glu Arg Tyr Gly Gln 65 70

- (2) INFORMATION FOR SEQ ID NO:7:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 70 amino acids(B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
- 25 (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Glu Lys Lys Lys Arg Lys Gln Arg Arg Asn Arg Thr Thr Phe Asn Ser

1 10 15

Ser Gln Leu Gln Ala Leu Glu Arg Val Phe Glu Arg Thr His Tyr Pro 20 25 30

Asp Ala Phe Val Arg Glu Asp Leu Ala Arg Arg Val Asn Leu Thr Glu 35 40 45

Ala Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Phe Arg Arg 50 55 60

Asn Glu Arg Ala Met Leu 65 70

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(2	INFORMATION	FOR	SEO	TD	NO · R
۷ ـ	TIME OF GREAT TOTAL	LOK		ı	NO:0

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Thr Lys Arg Lys Lys Gln Arg Arg Asn Arg Thr Thr Phe Asn Ser
10 1 5 10 15

Ser Gln Leu Gln Ala Leu Glu Arg Val Phe Glu Arg Thr His Tyr Pro 20 25 30

Asp Ala Phe Val Arg Glu Glu Leu Ala Arg Arg Val Asn Leu Ser Glu 35 40 45

15 Ala Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Phe Arg Arg 50 55 60

Asn Glu Arg Ala Met Leu

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 70 amino acids

(B) TYPE: amino acid

- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown
- 25 (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Leu Gln Leu Lys Arg Lys Leu Gln Arg Asn Arg Thr Ser Phe Thr Gln 1 5 10 15

Glu Gln Ile Glu Ala Leu Glu Lys Glu Phe Glu Arg Thr His Tyr Pro 20 25 30

Asp Val Phe Ala Arg Glu Arg Leu Ala Ala Lys Ile Asp Leu Pro Glu 35 40 45

Ala Arg Ile Gln Val Trp Phe Ser Asn Arg Arg Ala Lys Trp Arg Arg 50 55 60

35 Glu Glu Lys Leu Arg Asn 65 70

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- (2) INFORMATION FOR SEQ ID NO:10:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 70 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Tyr Ala Pro Lys Arg Lys Gln Arg Arg Tyr Arg Thr Thr Phe Thr Ser
10 1 5 10 15

Phe Gln Leu Glu Glu Leu Glu Lys Ala Phe Ser Arg Thr His Tyr Pro 20 25 30

Asp Val Phe Thr Arg Glu Glu Leu Ala Met Lys Ile Gly Leu Thr Glu
35 40 45

Ala Arg Ile Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Trp Arg Lys 50 55 60

Gln Glu Lys Val Gly Pro 65 70

- (2) INFORMATION FOR SEQ ID NO:11:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 70 amino acids(B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
- 25 (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Ile Ala Leu Lys Arg Lys Gln Arg Arg Cys Arg Thr Thr Phe Ser Ala

1 10 15

Ser Gln Leu Asp Glu Leu Glu Arg Ala Phe Glu Arg Thr Gln Tyr Pro 30 25 30

Asp Ile Tyr Thr Arg Glu Glu Leu Ala Gln Arg Thr Asn Leu Thr Glu 35 40 45

Ala Arg Ile Gln Val Trp Phe Ser Asn Arg Arg Ala Arg Leu Arg Lys 50 55 60

35 Gln His Thr Ser Val Ser 65 70

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(2)	INFORMATION	FOR	SEO	ID	NO:12
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- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Asp Pro Asn Gly Ile Lys Lys Lys Thr Arg Thr Thr Phe Thr Ala
10 1 5 10 15

Tyr Gln Leu Glu Glu Leu Glu Arg Ala Phe Glu Arg Ala Pro Tyr Pro 20 25 30

Asp Val Phe Ala Arg Glu Glu Leu Ala Ile Lys Leu Asn Leu Ser Glu 35 40 45

Ser Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Trp Arg Lys 50 55 60

His Glu Pro Pro Arg Lys 65 70

(2) INFORMATION FOR SEQ ID NO:13:

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- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- 25 (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Gly Glu Ser Ala Ala Lys Arg Arg Thr Arg Thr Asn Phe Ser Gly
1 5 10 15

Trp Gln Leu Glu Glu Leu Glu Ser Ala Phe Glu Ala Ser His Tyr Pro 30 20 25 30

Asp Val Phe Met Arg Glu Ala Leu Ala Met Arg Leu Asp Leu Leu Glu 35 40 45

Ser Arg Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Trp Arg Lys 50 55 60

35 Arg Glu Gln Asn Arg Asn 65 70

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	(2) INFORMATION	FOR SEQ ID NO:14:				
5	(A) LE (B) TY (C) ST	E CHARACTERISTICS: NGTH: 7 amino acids PE: amino acid RANDEDNESS: unknown POLOGY: unknown				
	(ii) MOLECUL	E TYPE: protein				
	(xi) SEQUENC	E DESCRIPTION: SEQ	ID NO:14:			
10	Phe Thr Ala 1	Tyr Gln Leu Glu 5				
	(2) INFORMATION	FOR SEQ ID NO:15:				
15	(A) LE (B) TY (C) ST	E CHARACTERISTICS: NGTH: 7 amino acids PE: amino acid RANDEDNESS: unknown POLOGY: unknown				
	(ii) MOLECUL	E TYPE: protein				
	(xi) SEQUENC	E DESCRIPTION: SEQ	ID NO:15:			
20	Gln Val Trp 1	Phe Gln Asn Arg				
	(2) INFORMATION	FOR SEQ ID NO:16:				
25	(A) LE: (B) TY: (C) ST:	E CHARACTERISTICS: NGTH: 28 base pairs PE: nucleic acid RANDEDNESS: unknown POLOGY: unknown				
		E TYPE: DNA (genomi	.c)			
30	(B) LOO (D) OTI	: ME/KEY: misc_featur CATION: 1415 HER INFORMATION: /n presents inosine."		'N'	appearing	at

(A) NAME/KEY: misc\_feature

(D) OTHER INFORMATION: /note= "The 'N' appearing at

(B) LOCATION: 17..18

position 17 represents inosine."

(ix) FEATURE:

5	<pre>(ix) FEATURE:</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:	
	CGGGATCCTT YACNGCNTAY CARYTNGA	28
	(2) INFORMATION FOR SEQ ID NO:17:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 27 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: unknown</li> <li>(D) TOPOLOGY: unknown</li> </ul>	
	(ii) MOLECULE TYPE: DNA (genomic)	
15	<pre>(ix) FEATURE:</pre>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
	CGGAATTCKR TTYTGRAACC ANACYTG	27
	(2) INFORMATION FOR SEQ ID NO:18:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 24 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: unknown</li> <li>(D) TOPOLOGY: unknown</li> </ul>	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	
30	TCATGAAGTG TGACGTTGAC ATCC	24
	(2) INFORMATION FOR SEQ ID NO:19:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 24 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: unknown</li> <li>(D) TOPOLOGY: unknown</li> </ul>	
	(ii) MOLECULE TYPE: DNA (genomic)	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:	
GTAAAACGCA GCTCAGTAAC AGTC	24
(2) INFORMATION FOR SEQ ID NO:20:	
(i) SEQUENCE CHARACTERISTICS:  5 (A) LENGTH: 22 base pairs  (B) TYPE: nucleic acid (C) STRANDEDNESS: unknown (D) TOPOLOGY: unknown	
(ii) MOLECULE TYPE: DNA (genomic)	
10 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:	
ACTGAAGCCA AGGTAGGATC CG	22
(2) INFORMATION FOR SEQ ID NO:21:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 24 base pairs  15  (B) TYPE: nucleic acid  (C) STRANDEDNESS: unknown  (D) TOPOLOGY: unknown	
(ii) MOLECULE TYPE: DNA (genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	
20 CGGATCCTAC CTTGGCTTCA GTAG	24
(2) INFORMATION FOR SEQ ID NO:22:	
(2) INFORMATION FOR SEQ ID NO:22:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 24 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: unknown  (D) TOPOLOGY: unknown	
(ii) MOLECULE TYPE: DNA (genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:	

CTACTGAAGC CAAGGTAGGA TCCG